

**DATA STREAMING SYSTEM  
WITH ENVIRONMENT SENSOR**

**ABSTRACT OF THE DISCLOSURE**

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A data streaming has a data storage device that provides an intermittent data stream to a buffer circuit. The data storage device generates a variable time-to-fill estimate as a function of a sensor output from an environment sensor. The buffer circuit provides a buffer data stream and a time-to-exhaust estimate. A  
10 comparator receives the time-to-fill and time-to-exhaust estimates and generates a comparator output. The comparator output couples to the data storage device to control energization of the data storage device.